

20030915.qrp v03_n044.qrl.20030915

Date: Mon, 15 Sep 2003 19:03:11 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3044

QRP-L Digest 3044

Topics covered in this issue include:

- 1) [157815] ISABEL
by Ed Tanton <n4xy@earthlink.net>
- 2) [157816] Re: ISABEL
by "Chris Trask" <chistrask@earthlink.net>
- 3) [157817] Re: Off topic, old helicopter next door to my Atlanta house this AM
by "Don Ginter" <kc2ck@mail.com>
- 4) [157818] Tenna Dipper - Four State QRP Club Kit
by James R Giammanco <n5ib@juno.com>
- 5) [157819] Re: [157811] Re: Off topic, old helicopter next door to my Atlanta house this AM
by Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
- 6) [157820] Fwd: Accidental QRPp
by Michael Babineau <michael.babineau@sympatico.ca>
- 7) [157821] Re: OT - Isabel & Skywarn
by Larry Cahoon <lejek@erols.com>
- 8) [157822] Re: ISABEL
by Larry Cahoon <lejek@erols.com>
- 9) [157823] [Fwd: Re: I wonder.....]
by John Kuklewicz N7ZN <kukl@cybrquest.com>
- 10) [157824] Re: Stellar Flares and Isabel
by "John Paul Keon" <jpkeon@nc.rr.com>
- 11) [157825] Fw: [Elecraft] K2 For Sale
by "JessMX5" <jessmx5@earthlink.net>
- 12) [157826] RE: Help With dBm to dB? Conversion....
by Adam Farson <farson@shaw.ca>
- 13) [157827] Re: [157811] Re: Off topic, old helicopter next door to my Atlanta house this AM
by "Chris Trask" <chistrask@earthlink.net>
- 14) [157828] Wattmeter FS
by "Ken Simpson, W8EK" <W8EK@fdt.net>
- 15) [157829] Video on Standing Waves
by Jon Iza <iapizloj@bi.ehu.es>
- 16) [157830] Re: Website
by brewerj@squared.com
- 17) [157831] Re: Fwd: NA Sprint SSB N0SXX LP
by Gary Slagel <gdslagel@yahoo.com>
- 18) [157832] FYI: valuable design guide about analog and digital filters

- by Jon Iza <iapizloj@bi.ehu.es>
- 19) [157833] Re: I wonder.....
by "Bob Tellefsen" <n6wg@earthlink.net>
- 20) [157834] NOGA qrp wattmeter FS
by "john gabbard" <johngabbard@usintouch.com>
- 21) [157835] NOGA wattmeter and other items are sold
by "john gabbard" <johngabbard@usintouch.com>
- 22) [157836] FS
by "Craig A. Ferris" <cferris@aeronix.com>
- 23) [157837] QRPacificon is coming
by "Doug Hendricks" <ki6ds@dpol.net>
- 24) [157838] Altoids Tins have shipped!
by kizerian@xmission.com
- 25) [157839] Home wanted for:
by "Fred \ (VE3FAL\)" <flesnick@tbaytel.net>
- 26) [157840] Re: Fwd: Accidental QRPp
by Karl Larsen <k5di@zianet.com>
- 27) [157841] QRPp issues F/S
by k7gt@comcast.net
- 28) [157842] NJQRP Sniffer enclosure
by Kenneth Cooperstein <cprstn54@att.net>
- 29) [157843] SW-20+ Mods
by Rick McKee <kc8aon@juno.com>
- 30) [157844] FS: Atlas
by "Craig A. Ferris" <cferris@aeronix.com>
- 31) [157845] wtb: 100K linear pot-Altoids box size
by Marv Fagenson <k6hcj@juno.com>

Date: Sun, 14 Sep 2003 19:25:56 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: qrp-L Reflector <qrp-l@lehigh.edu>, noga <nogaqrp@mailman.qth.net>
Subject: [157815] ISABEL
Message-ID: <6.0.0.22.2.20030914192418.0300e528@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Check the GOES Water Vapor picture of ISABEL:
<<http://www.goes.noaa.gov/browse3.html>>

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Sun, 14 Sep 2003 16:46:10 -0700
From: "Chris Trask" <chistrask@earthlink.net>
To: <n4xy@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [157816] Re: ISABEL
Message-ID: <011b01c37b1a\$617f3a80\$66044bab@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

On Sunday, September 14, 2003 Ed Tanton wrote:

>
> Check the GOES Water Vapor picture of ISABEL:
> <<http://www.goes.noaa.gov/browsh3.html>>
>

And the National Hurricane Centre:

<http://www.nhc.noaa.gov/>

Chris

> > <http://edebris.com/catalog2/item/1016>
> >
> > Thought it might be of interest.
> > Radial engine, not a turbine!
> > Aircrane Company
> > -Bob
> >
>
> <http://www.marineturbine.com/superbike/>
>
> Thought you might like to see where the turbine went to
>
> Paul M
>

--

Sign-up for your own personalized E-mail at Mail.com
<http://www.mail.com/?sr=signup>

CareerBuilder.com has over 400,000 jobs. Be smarter about your job search
<http://corp.mail.com/careers>

Date: Sun, 14 Sep 2003 17:04:09 PDT
From: James R Giammanco <n5ib@juno.com>
To: qrp-l@Lehigh.edu
Subject: [157818] Tenna Dipper - Four State QRP Club Kit
Message-ID: <20030914.185826.4631.2.n5ib@juno.com>

Just finished installing my 'Tenna Dipper into a small wood box I found at the Hobby Lobby store. Works very well - a really nice kit. Will likely get a couple of pictures onto <<http://www.qsl.net/n5ib>> sometime late tomorrow.

In the "save yourself this stupid, dumb mistake" department - the toroidal transformer in the SWR bridge has a primary of 5 turns and a secondary of 30 turns. Let me rephrase that another way... the PRIMARY has 5 turns and the SECONDARY has 30 :^)) The tell-tale giveaway symptom of the aforementioned stupid, dumb mistake will be very broad, poor dips, and a not-very-bright LED even when off-dip.

This kit will be a building project of the Baton Rouge ARC next month. I'll give a little "tech talk" at the meeting at the end of this month and then sign up builders. Just finished making up a few of those infernal "viewgraphs" for the talk.

Thanks to Trevor, Dan, Gene, and the 4SQRP gang for a nice project.

72

Jim N5IB

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sun, 14 Sep 2003 20:33:52 -0400 (EDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: christrask@earthlink.net
Cc: ah7i@atl.org, qrp-1@lehigh.edu
Subject: [157819] Re: [157811] Re: Off topic, old helicopter next door to my Atlanta house this AM
Message-ID: <200309150033.h8F0XqH04725@panix3.panix.com>

That's not a H-19, it's an H-34.

73, doug

HT-8, 1965-66

Date: Sun, 14 Sep 2003 14:20:49 -0700
From: "Chris Trask" <christrask@earthlink.net>

On Sunday, September 14, 2003 Bob wrote:

>
> <http://edebris.com/catalog2/item/1016>
>
> Thought it might be of interest.
> Radial engine, not a turbine!
> Aircrane Company
>

What's really interesting about the U-19 is that the engine is in the nose for weight balance. The drive shaft goes between the shoulders of the pilots on it's way to the transmission which is just behind their heads.

Chris

```
> From: Michael Babineau <michael.babineau@sympatico.ca>
> Date: Sun Sep 14, 2003 8:41:31 PM America/Montreal
> To: buddipole@yahoogroups.com
> Subject: Accidental QRpP
>
> Folks :
>
```

> This past week we spent a couple of days at my sister-law's cottage and
> I decided to bring a compact radio setup with me to work a few stations
> off of their deck overlooking a good sized lake.
>
> I had my Small WonderLabs DSW 20 (a 2.5W 20M CW Rig) a pack of AA cells
> and my Commercial Buddipole.
>
> I thought that it seemed really strange that I couldn't scare up any
> contacts at 2.5W in spite of calling a number of very strong stations.
> When I finally worked W0CZ at Maplewood State Park in MN he was
> booming in with his K2-100 and inverted vee but he could only barely
> hear me and I got a 439 report. I had the Buddipole on a short mast
> standing on the deck which is about 10 to 12 feet above the lake.
>
> Well today at home I hooked the rig up to a 50 ohm dummy load via
> my OHR WM 2 watt meter and hooked up the same battery pack I was
> using at the cottage and guess what ... 10mw of output!
> I must have keyed it into an open circuit when I was doing some
> testing a few
> weeks back and blew the final.
>
> Now comes the fun part. I did a distance calculation between Westport,
> ON
> (the nearest town to the cottage) and Maplewood State Pk, MN and it
> came
> up with 954 miles as the crow flies. So 95,400 miles/watt ... that is
> pretty good DX!
>
> Certainly the fact that Ken was running a K2 helped tremendously
> because I
> am sure that I must have been way down in the noise for anyone running
> a
> rig with an inferior receiver but it also shows that the Buddipole is
> pretty darn
> good antenna!
>
> Michael VE3WMB
>

Date: Mon, 15 Sep 2003 00:54:54 +0000
From: Larry Cahoon <lejek@erols.com>
To: n5ib@juno.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [157821] Re: OT - Isabel & Skywarn
Message-ID: <5.1.0.14.0.20030915005030.01da0318@pop.erols.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

The main DC, VA, MD skywarn page is at

<http://www.erh.noaa.gov/er/lwx/skywarn/skywarn.htm>

The coverage map is at <http://www.erh.noaa.gov/er/lwx/skywarn/coverage.html>

The current forecast has it coming right up the west bank of the Chesapeake Bay - crossing I-95 between Washington and Baltimore. It is hard to think of a worst scenario for the area. With the storm still four days out there is plenty of time for things to change - but it has been the same all day.

At 03:41 PM 9/14/2003 -0700, James R Giammanco wrote:

>List members along the east coast,

>

>At noon today my grad student son Ian , KD5PU0, and the rest of the Texas
>Tech Hurricane Intercept Team left Lubbock TX in a caravan that included
>five trailer-mounted instrument towers, two mobile doppler radar trucks,
>and the telemetry vehicle, headed in the general direction of Cape
>Hatteras. They'll be deploying data acquisition apparatus in the path of
>the storm in hopes of gathering information that will better refine the
>prediction models and aid their engineering team to design better
>structures.

>

>If any of you are active in , or know of, Skywarn groups in the SC, NC,
>VA coastal areas and could let me know - please reply direct to
><giamman@rouge.phys.lsu.edu> - I'll pass locations, repeater
>frequencies, and PLL tone info on to the team while they are en route.
>While a lot of this info is compiled on the web and elsewhere, it's often
>dated, sometimes incomplete, and there's nothing better than a timely
>update.

>

>If any of you along the I-20, I-95 corridors between Lubbock and the
>coast hear KD5PU0 on 2 m, give a holler and do what you can to keep the
>boy dry, not lost, and out of trouble :^))

>

>As best I know the team has 2 m capability only. Ian finally admitted to
>me yesterday that he needs to quit waiting on the FCC, learn his 5 wpm,
>and get HF capable, as that would really be an asset to their operations.

>

>72.... and y'all be careful out there...

>

>Jim N5IB

>

>

>

>-----
>The best thing to hit the internet in years - Juno SpeedBand!

>Surf the web up to FIVE TIMES FASTER!

>Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Mon, 15 Sep 2003 00:56:47 +0000
From: Larry Cahoon <lejek@erols.com>
To: "Chris Trask" <chistrask@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [157822] Re: ISABEL
Message-ID: <5.1.0.14.0.20030915005601.01d909a8@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

And the Hurricane Watch Net

<http://www.hwn.org/atlantic.shtml>

73 de Larry.....WD3P in the path in MD
http://www.wd3p.net/

At 04:46 PM 9/14/2003 -0700, Chris Trask wrote:

>On Sunday, September 14, 2003 Ed Tanton wrote:

 $\succ$

> >

```
> > Check the GOES Water Vapor picture of ISABEL:
```

```
> > <http://www.goes.noaa.gov/browsh3.html>
```

> >

>

> And the National Hurricane Centre:

>

```
> http://www.nhc.noaa.gov/
```

 $\succ$

>Chris

 $\succ$ $\succ$

```
> / What's all this \
```

> / extinct stuff, anyhow? /

> \begin{tikzpicture}

 $\gamma = 1/2$

> oo\

$$> (_ _) \backslash$$

> \ \ . ' '

$$> \quad \backslash \quad \backslash \quad /$$
$$\begin{array}{c} > & \backslash & | & || \\ & & & & \end{array}$$
$$> \quad \cdot \quad ($$
$$x = \frac{1}{2} \left(1 + \sqrt{5} \right)$$

High Performance Mixers and Amplifiers for RF Communications

Chris Trask / N7ZWY

Principal Engineer

Sonoran Radio Research

P.O. Box 25240

Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: christrask@earthlink.net

> | | | | \ ' . http://www.home.earthlink.net/~chistrask
> c__; c__; ' -.. ' > .__
>
> Graphics by Loek Frederiks

Date: Sun, 14 Sep 2003 18:12:12 -0700
From: John Kuklewicz N7ZN <kukl@cybrquest.com>
To: QRP-L reflector <grp-l@Lehigh.EDU>
Subject: [157823] [Fwd: Re: I wonder.....]
Message-ID: <3F6511EC.3000405@cybrquest.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Bruce, and list, I live with solar panels every day.
Some comments to your questions.....

Bruce Rattray wrote:

> I was just wondering how wx affects solar panels?...things like
> rain,

Washes off the panels, which is good.
But, usually the sky is cloudy when it rains, which is bad
for power production. Oh well....

> snow,

Acts like a big filter and cuts down on light.
Try wrapping a white towel around your head to see what
I mean. Since winter time panel angles in snow country
are usually pretty steep, the snow slides off pretty fast
once the sun finally comes out again. If one uses a roof-top
mount, be sure to account for the snow accumulation when you
place the racks.

I use pole mounts, and use a lambs wool pad and extendable
pole to brush the snow off of my panels. Keep the pad
scrupulously clean to avoid scratching the glass front of
the panels.

> early morning condensation,

No big deal, it usually evaporates quickly once the sun

comes up. And, the thin film of water doesn't seem to filter the sunlight significantly.

Frost is a bigger problem. Not safe to scrape it off, best to just live with it until it melts off.

> really hot temperatures(+40 dC & up),

High temps reduce PV panel output voltage and current.
(Negative tempco) Mount panels so that there is a reasonable air space behind the panels for ventilation. Some desert based industrial installations actually run water cooling piping behind their panels. (These are typically concentrator type installations where the sun is focussed onto the panels. Needless to say, the panels get really hot in this application.)

> really cold (-40 dC & down) temperatures, etc...

Voltage and current go up. I had a submersible pump controller (panel direct) that self distracted when the sun was bright and the air temp was below 20 degrees F. The 4 panel-in-series array would put out over 80V under load and fried a protection zener diode.

> ...also would it be worth it to have the solar panels, which are facing
> the sun, move from east to west as the sun moves?...

Depends. Such trackers (both single and dual axis) are available, but pretty spendy. At high latitudes, they can be of use in the summer, but offer little gain in the winter since days are so short and the sun stays low in the sky.

For high latitudes (I am at 47N) it is more cost effective to get another couple panels than spring the \$1K or so for a tracking mount.

If you application is mainly for summer use (like stock watering in a remote pasture) then the tracking mounts can be a good choice.

Also, most of the tracking mounts do not do very well in areas with high winds.

I hope this information is of interest.

vy 73;

John N7ZN

>
> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
> A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
> - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
> "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"
>
>

Date: Sun, 14 Sep 2003 21:20:31 -0400
From: "John Paul Keon" <jpkeon@nc.rr.com>
To: <jsielke@pobox.com>,
"Low Power Amateur Radio Discussion" <grp-l@Lehigh.EDU>
Subject: [157824] Re: Stellar Flares and Isabel
Message-ID: <011701c37b27\$8f867300\$6401a8c0@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Well Gang, John and others,
I am so glad I am retired from the State Highway Patrol
now. I have worked my last hurricane with them. In the
30 years I had to work, I saw too many and stood on too
many bridges and guarded too many places before and after
those.
I lived through 9 when stationed near Wilmington, NC.
I moved to Hickory and went through Hugo that came up
to Charlotte and Hickory all the way to Boone.
Then I moved to Raleigh NC and here the first couple of
months had to put up with 125 mph winds in Raleigh.

Now they have another one, bigger, stronger, and a heck
of a lot more serious coming. This time I stay home or go
to a shelter, depending on the severity coming here.

Good luck to all you on the East coast from one end
to the other. This is going to be a nasty one.

If it goes around, and does not strike here or near, we are
still planning on a trip up to the Blue ridge mountains to do
the NE QRP afield. We are now a group of 4 or more and
we still plan to do it, if we can.

John Paul, Raleigh, NC [AB4PP]//NNN UTV

<http://www.knightlites.org>

"We all take different paths in life, but no matter where we go, we take a little of each other everywhere."

Subject: Stellar Flares and Isabel

Well, not worrying about a Stellar Flare." I hope all on the Atlantic Coast are watching Isabel. Looks like she could come right up Chesapeake Bay, as a Category 4 Hurricane. Right in time for QRP Afield.

Seriously, don't underestimate this one, it looks particularly nasty.

John W2AGN

Date: Sun, 14 Sep 2003 19:27:36 -0600
From: "JessMX5" <jessmx5@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [157825] Fw: [Elecraft] K2 For Sale
Message-ID: <030d01c37b28\$8c631d80\$7f01a8c0@Jess>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Serial Number 471. SSB adapter, noise filter. Original and no mods.
> Professional quality build. Low hours and pristine condition. Will include
> Alinco hand mike, wired for Kenwood.
>
> \$675.
>
> Also have mint Tentec C22 with power supply, crystal calibrator and built
in
> keyer. 9 of 10.
>
> \$300 or best offer.
>
> MFJ Grandmaster memory keyer. MFJ-484C. At least 15 years old, perfect
> working order.
>
> \$75.00
>

> A&A Engineering 30 meter transceiver. All original as offered by A&A. With
> optional Curtis chip type keyer.
>
> \$100.00??
>
> Jess AE0CW
>
>
>
> -----
> Elecraft mailing list: Elecraft@mailman.qth.net
> You must be subscribed to post to the list.
> To subscribe or unsubscribe see:
http://mailman.qth.net/mailman/listinfo/elecraft
> Elecraft Web Page: http://www.elecraft.com
> Also see: http://www.elecraft.com/elecraft_list_guidelines.htm
>

Date: Sun, 14 Sep 2003 20:26:16 -0700
From: Adam Farson <farson@shaw.ca>
To: Ed Tanton <n4xy@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [157826] RE: Help With dBm to dB? Conversion....
Message-ID: <DMEILAEADPNBAHKBNMMHOENGGCAA.farson@shaw.ca>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi Ed,

My pleasure, of course - but I don't claim credit for that conversion factor! When you put it on your Antennas webpage, you will be able to use the Greek mu symbol; it is in the Symbol and Greek fonts.

It is important to state that the conversion factor holds only for the 50-ohm case.

Cheers for now, 73,
Adam VA7OJ/AB4OJ

-----Original Message-----

From: Ed Tanton [mailto:n4xy@earthlink.net]
Sent: Sunday, September 14, 2003 11:57
To: farson@shaw.ca

Subject: RE: Help With dBm to dB? Conversion....

Hi Adam... thanks for that value... I liked it so much I'd like to quote you with it on my Antennas webpage-if that's OK with you. I realize you probably didn't invent the conversion value... but if you hadn't mentioned it I certainly wouldn't know about it!!!

Date: Mon, 15 Sep 2003 04:26:29 -0700
From: "Chris Trask" <chistrask@earthlink.net>
To: "Doug Faunt N6TQS +1-510-655-8604" <faunt@panix.com>
Cc: <ah7i@atl.org>, <qrp-1@lehigh.edu>
Subject: [157827] Re: [157811] Re: Off topic, old helicopter next door to my
Atlanta house this AM
Message-ID: <009901c37b7c\$804d0c00\$2a044bab@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Ah, well. Still the same engine configuration. I thought that the 4-blade rotor was odd.

Chris

[illegible]

High Performance Mixers and Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: christrask@earthlink.net
<http://www.home.earthlink.net/~christrask>

Graphics by Loek Frederiks

----- Original Message -----

From: "Doug Faunt N6TQS +1-510-655-8604" <faunt@panix.com>

To: <chistrask@earthlink.net>

Cc: <ah7i@atl.org>; <qrp-1@lehigh.edu>

Sent: Sunday, September 14, 2003 5:33 PM

Subject: Re: [157811] Re: Off topic, old helicopter next door to my Atlanta house this AM

> That's not a H-19, it's an H-34.

>

> 73, doug

>

> HT-8, 1965-66

>

> Date: Sun, 14 Sep 2003 14:20:49 -0700

> From: "Chris Trask" <chistrask@earthlink.net>

>

> On Sunday, September 14, 2003 Bob wrote:

>

> >

> > <http://edebris.com/catalog2/item/1016>

> >

> > Thought it might be of interest.

> > Radial engine, not a turbine!

> > Aircrane Company

> >

>

> What's really interesting about the U-19 is that the engine is in the

> nose for weight balance. The drive shaft goes between the shoulders of the

> pilots on it's way to the transmission which is just behind their heads.

>

> Chris

>

> ,----- High Performance Mixers and
> / What's all this \ Amplifiers for RF Communications

> / extinct stuff, anyhow? /

> \ -----' Chris Trask / N7ZWY

> _ | / Principal Engineer

> oo\ Sonoran Radio Research

> (__) \ P.O. Box 25240

> \ \ . ' \ Tempe, Arizona 85285-5240

```

>      \ \ / \
>      \ ' " \
>      . ( ) \
> '-| )__| :. \      Email: christrask@earthlink.net
>  | | | | \ '.      http://www.home.earthlink.net/~christrask
>  c__; c__; '-..'>.__
>
> Graphics by Loek Frederiks
>
>
>
>

```

```

-----

Date: Mon, 15 Sep 2003 09:06:49 -0400
From: "Ken Simpson, W8EK" <W8EK@fdt.net>
To: "QRP List" <qrp-l@lehigh.edu>
Subject: [157828] Wattmeter FS
Message-ID: <CJENLDMADFCJIFBODNPGEEELDOAA.W8EK@fdt.net>
MIME-Version: 1.0
Content-Type: text/plain;
      charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

```

For Sale:

Revex W-560 SWR and Power Meter

I know Revex is not a common name on a wattmeter, but this is a really great meter. It seems to be very similar to the Diamond SX-600. It covers from 1.8 to 525 MHz, so it will basically cover any band you would want to use it on. It will also measure average or PEP power. The ranges are a bit odd -- 3 W, 20 W, and 200 W -- so it would be good for QRP use also. It measures forward or reverse power, but also has a direct SWR measurement on it. There are 2 sets of connectors. Regular SO-239 connectors are used with a frequency range of 1.8 to 160 MHz. There is also a set of "N" connectors for use from 140 to 525 MHz. It is really a very nice versatile meter.

This particular meter looks very close to new. I can not find any scratches or imperfections. Of course it works 100%.

\$100 plus shipping from Florida.
Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@fdt.net or W8EK@arrl.net
Voice Phone (352) 732-8400

Date: Mon, 15 Sep 2003 12:43:24 +0000
From: Jon Iza <iapizloj@bi.ehu.es>
To: qrp-l@lehigh.edu
Subject: [157829] Video on Standing Waves
Message-ID: <3F65B3EC.7060901@bi.ehu.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Folks,
I enjoyed browsing the pages on the explanation of Standing Waves formation.
The last page I visited:
<http://home.gwi.net/~jdeb主ll/pe/cj/v15-6.htm>
brought to me memories of a Video from Bell Labs on that subject (black and
white, of course) where the narrator tell all kind of stories on standing
waves formation, and the gadgets depicted on the page are used to show the
movements. That page is a nice complement to the video itself.
Thanks!
jon, ea2sn

Date: Mon, 15 Sep 2003 09:50:57 -0400
From: brewerj@squared.com
To: qrp-l@lehigh.edu
Subject: [157830] Re: Website
Message-ID: <0F992DE4B7.4D0A40DF-
ON85256DA2.004BF403-85256DA2.004C546F@CIS.SQUARED.COM>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

I agree with Thom, if you look around (and it wont take long) you can find any number of places offering sub-10\$ hosting.

The issue I've had (as a user) of QSL.NET, is that it tends to be dreadfully slow.

Rgds
John

Date: Mon, 15 Sep 2003 06:57:36 -0700 (PDT)
From: Gary Slagel <gdslagel@yahoo.com>
To: QRP L <qrp-l@Lehigh.EDU>
Subject: [157831] Re: Fwd: NA Sprint SSB N0SXX LP
Message-ID: <20030915135736.43351.qmail@web11608.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Sorry guys, I'm still sending email to the wrong groups! That was meant for somewhere else.

=====
Gary Slagel/N0SXX
Conifer, CO
<http://gdslagel.bravepages.com>

Do you Yahoo!?
Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Mon, 15 Sep 2003 14:38:58 +0000
From: Jon Iza <iapizloj@bi.ehu.es>
To: qrp-l@lehigh.edu
Subject: [157832] FYI: valuable design guide about analog and digital filters
Message-ID: <3F65CF02.2000504@bi.ehu.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

From The NSDL Scout Report for Math, Engineering, and Technology, Copyright
Internet Scout Project 1994-2003. <http://scout.wisc.edu/>

Design Guide: Table of Contents [pdf]
<http://www.freqdev.com/guide/fullguide.html>

Frequency Devices, Inc. offers this valuable design guide about analog and digital filters. Many basic principles taught in a signal processing class are discussed, such as sampling a signal, aliasing, and frequency-domain analysis. The equations and parameters that govern filter operation are well explained. The guide defines many of the considerations necessary to choose which type of filter best suits a particular application, and a general procedure to make the correct decision is provided. Most of the information pertains to analog signals and devices, but a good introduction to digital filters is presented as well.

Be well,
jon, ea2sn

Date: Mon, 15 Sep 2003 08:33:29 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [157833] Re: I wonder.....
Message-ID: <MABBJOEABOILMKCJCLFCOEAEENAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bruce
I have four solar panels that I only use outdoors in good weather. They are not weather sealed, so I expect rain would do bad things to them.

During the day, if I'm charging a battery in the back yard, I will have to move the panels so that they face the sun. I usually point them a few degrees ahead of the sun, so that I don't have move them as often. Then, once the sun is a few degrees past the aimed direction, I move them again. Besides facing in the direction of the sun, the tilt of the panel is also important for maximum output.

73, Bob N6WG

Date: Mon, 15 Sep 2003 08:59:59 -0700
From: "john gabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [157834] NOGA qrp wattmeter FS
Message-ID: <001c01c37ba2\$6ab87de0\$47861c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

NOGA Wattmeter mounted nicely in (2) mint tins soldered together...\$22.00 shipped USA. (2) enclosures for projects one heath box, nice about 3"x4" stripped but has feet, \$5.00 shipped USA. Another box 4"x5" R/Shack with unfinished 20 meter RCVR inside, has nice reduction drive on front panel, \$10.00 shipped USA Doing some house cleaning...Thanks, 72 John KF7OM

Date: Mon, 15 Sep 2003 09:57:50 -0700
From: "john gabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [157835] NOGA wattmeter and other items are sold
Message-ID: <005001c37baa\$7fb94190\$47861c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the BW...John KF7OM

Date: Mon, 15 Sep 2003 01:00:46 -0400
From: "Craig A. Ferris" <cferris@aeronix.com>
To: qrp-1@Lehigh.EDU
Subject: [157836] FS
Message-ID: <3F65477E.9453482A@aeronix.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

- 1) DSW-40 w/ blue anodized case \$135
- 2) TS-130v with VF0-120, SP-120, cw filter, and hand mic \$350
- 3) TS-140s \$325
- 4) OHR classic with DD-1 display \$160
- 5) Vibroplex iambic paddles \$85
- 6) Rockmite 20 and 40 \$35 ea.
- 7) Radiokit qrp-20 and qrp-15 project radios (hi) \$50 for both
- 8) Norcal paddle kit (wide spaced) \$45
- 9) Norcal .38 special boards needs troubleshooting. One with controls, other with 5w mod and tick keyer but no controls. \$30 ea.
- 10) Emtech ZM-2 tuners \$35 ea one with so-239, one with rca jacks
- 11) Small Wonders GM-17 \$60

Add shipping to prices.

Thanks and 72,

Craig NR4E
Melbourne, FL

Date: Mon, 15 Sep 2003 10:11:49 -0700
From: "Doug Hendricks" <ki6ds@dpol.net>
To: <qrp-1@Lehigh.EDU>
Subject: [157837] QRPacificon is coming
Message-ID: <00dc01c37bac\$73882740\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, we have just about a month until Pacificon and the annual QRPacificon QRP forum sponsored by the AmQRP Club and hosted by NorCal. A great lineup of speakers this year:

Wayne McFee, George Heron, Joe Everhart, Randy Foltz, and James Bennett. Plus a special guest appearance by Steve "Melt Solder" Webber. Steve will not be speaking but is going to make the trip as our guest and will be available all weekend for you to meet and get to know. He is one amazing guy, and I know that you all will enjoy meeting him. Bring along one of your kits that he has designed, and I am sure that he will be pleased to see it.

Elecraft is going to have their new Transceiver Kit, the KX1 for sale at their booth, James Bennett of Pacific Antennas will have Pac-12 kits, Joe Porter and Gene Sailsbury of the 4SQRP group will be there with their Tenna Dipper kits and Pittsburg boards for the Sniffer, Vern Wright is coming with his Super Antenna line of great antennas. And, Wayne Smith, K8FF, the guy who designed the fabulous NorCal Paddles, has a new design of a great station accessory that will work on just about all radios. He won't be able to make the trip as planned, as his daughter is getting married, but he is shipping the product to us, and NorCal will have them at our booth. Be sure and stop by to see the world premier of this exciting new design by Wayne.

We are charging a registration fee this year, as we are going to have a QRPacificon Kit, which I will announce tomorrow. Plus we will be producing a QRPacificon Compendium again, and both the kit and compendium are covered in your \$10 registration fee.

To register for Pacificon, you can do it two ways. One, send a check or money order to Jim Cates with a self addressed mailing label (so Jim can send your QRPacificon kit to you) to:

Jim Cates
QRPacificon
3241 Eastwood Rd.
Sacramento, CA 95821

or you can go to the AmQRP web site and use paypal to register. Note that the QRPacificon kits will be mailed but the compendium's will not be mailed and must be picked up at the site. Be sure and register soon so we can get your kit out to you. You will need to build it for the special operating activity that we have planned. 72, Doug

Date: Mon, 15 Sep 2003 12:32:31 -0600

From: kizerian@xmission.com
To: qrp-1@lehigh.edu
Subject: [157838] Altoids Tins have shipped!
Message-ID: <1063650751.3f6605bfa9075@webmail.xmission.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Thanks everyone for your participation. I shipped them out this morning--
except for Tim's. Tim, if you are out there somewhere, I need your address.

If I had more I would give away more.

Bruce kk7zz

Date: Mon, 15 Sep 2003 15:47:16 -0400
From: "Fred \((VE3FAL\)" <flesnick@tbaytel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [157839] Home wanted for:
Message-ID: <008201c37bc2\$2b169d00\$ee05d3d8@flesnick>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone out there looking for or requiring a KantronicsKam Plus, or MFJ
Microphone/TNC switch, or MFJ 1214 MultiMode Computer Interface?
I have all of them and wanting to get rid of and out of the shack..
Will trade for something or take away.
Fred
VE3FAL

Date: Mon, 15 Sep 2003 15:19:52 -0600 (MDT)
From: Karl Larsen <k5di@zianet.com>
To: Michael Babineau <michael.babineau@sympatico.ca>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [157840] Re: Fwd: Accidental QRPp
Message-ID: <Pine.LNX.4.44.0309151506400.4678-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 14 Sep 2003, Michael Babineau wrote:

> I posted this to the Buddipole list earlier but thought
> that folks on QRP-L might enjoy this as well.

Glad you did. Made me think...

>
> My apologies to any of you who are seeing this for the
> second time.
>
> Michael VE3WMB
>
> Begin forwarded message:
>
> > From: Michael Babineau <michael.babineau@sympatico.ca>
> > Date: Sun Sep 14, 2003 8:41:31 PM America/Montreal
> > To: buddipole@yahoogroups.com
> > Subject: Accidental QRPP
> >
> > Folks :
> >
> > This past week we spent a couple of days at my sister-law's cottage and
> > I decided to bring a compact radio setup with me to work a few stations
> > off of their deck overlooking a good sized lake.
> >
> > I had my Small WonderLabs DSW 20 (a 2.5W 20M CW Rig) a pack of AA cells
> > and my Commercial Buddipole.
> >
> > I thought that it seemed really strange that I couldn't scare up any
> > contacts at 2.5W in spite of calling a number of very strong stations.
> > When I finally worked W0CZ at Maplewood State Park in MN he was
> > booming in with his K2-100 and inverted vee but he could only barely
> > hear me and I got a 439 report. I had the Buddipole on a short mast
> > standing on the deck which is about 10 to 12 feet above the lake.

> > rig with an inferior receiver but it also shows that the Buddipole is
> > pretty darn
> > good antenna!

Yes I came to that conclusion about 4 years ago. Then you went
to W3FF's web page and downloaded Budds instructions for building your
own. I had done that and played with it a little. It was summer so the
20 meter Summer Fox Hunts were going on.

I have a th6dxx 6 element beam at 60 feet so the summer hunt was
pretty ho-hum. So for fun I took the buddy pole antenna, my hopped up

Ten Tec Argonaut (5 watts) out to the front lawn. It was difficult rotating the antenna because of the trees. Kids in the area came over after hearing the cw and I had to explain what I was doing. They all thought I had flipped out.

Well with the buddy pole at 10 feet I worked all the rest of the Foxes! Always had the thought of grabbing the rig keyer and paddle and running inside to use the big antenna. But never had to do it.

On 20 meters and higher frequencies my home made buddy pole is a real good antenna. Far better than all the ground plane antennas on the market now.

> >
> > Michael VE3WMB
> >
>
>
--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Mon, 15 Sep 2003 21:28:45 +0000
From: k7gt@comcast.net
To: qrp-l@lehigh.edu
Subject: [157841] QRPP issues F/S
Message-ID: <200309152128.h8FLSngR026568@rain.CC.Lehigh.EDU>

Previous sale folded. I have the following issues of QRPP for sale.

F 98 (Elmer 101 Special issue)
W 98 (2n2/40 issue...)
W 99
Sp 99 (NC20 issue)
Su 99
F 99
Sp 00
Su 00
F 00 2nd copy of Fall 2000 goes separately
W 00
Sp 01
Su 01
F 01

W 01

The whole set for \$30 plus shipping. (\$2 + shipping for the stray F 00 issue)

--

Allan K7GT

Pleasanton CA

Date: Mon, 15 Sep 2003 17:54:31 -0400
From: Kenneth Cooperstein <cprstn54@att.net>
To: qrp-l@Lehigh.EDU
Subject: [157842] NJQRP Sniffer enclosure
Message-ID: <3F663517.4080706@att.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1; format=flowed
Content-transfer-encoding: 7BIT

Anyone find a ubiquitous, cheap enclosure for this project?

It needs to be around 3.5" X 6" by 2.5" thick, with a removable cover
-- preferably hinged.

A VHS cassette box is too thin.

Couldn't find a fisherman's hook box the right size.

Tupperware is the next area to be explored.

Finding a cheap enclosure is more work than building the thing.

Ken KC2JDY

Date: Mon, 15 Sep 2003 18:12:31 -0400
From: Rick McKee <kc8aon@juno.com>
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU
Subject: [157843] SW-20+ Mods
Message-ID: <20030915.181308.9230.2.kc8aon@juno.com>

Got my parts order from Mouser Electronics today, and performed the
tuning range mod on my SW-20+. The stock rig covered 34 Khz from 14.0375

Mhz to 14.0715 Mhz. So I added a 10 turn pot for the tuning, and increased the value of C8 from the stock 27pf to 74pf by parralleling a 47pf cap with the original C8. I added the 47pf, by soldering it to the bottom side of the board. It now tunes 14.02650 Mhz to 14.15480 Mhz for a total of 128.3 Khz of the 20 meter band. I also changed C7 from a fixed capacitor, to a small 4.5 to 65pf trimmer cap that is about 10mm in diameter. This allows me to set the bottom end of the band anywhere I want just by adjusting the capacitor. And since I have CW privileges from 14.025 to 14.150, this will be a handy improvement for me.

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, SW-20+, Norcal BLT, Norcal Cascade, Yaesu FT-7,
Homebrew 6V6 tube TX & Hallicrafters SW500 RX
QRP-L #2112, FPqrp #33, AR QRP, AmQRP, Ohio Valley Fists
I'll give up CW when I'm dead ! MAYBE !

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Mon, 15 Sep 2003 18:47:55 -0400
From: "Craig A. Ferris" <cferris@aeronix.com>
To: qrp-l@Lehigh.EDU
Subject: [157844] FS: Atlas
Message-ID: <3F66419A.C2856C42@aeronix.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Atlas RX-110 special, TX-110L, PS-110 (for TX-110H), 2nd RX-110 without case, demo TX chassis \$300 + shipping.

72,
Craig NR4E
Melbourne, FL

Date: Mon, 15 Sep 2003 15:46:23 -0700
From: Marv Fagenson <k6hcj@juno.com>
To: qrp-l@Lehigh.edu
Subject: [157845] wtb: 100K linear pot-Altoids box size
Message-ID: <20030915.154624.-496855.0.k6hcj@juno.com>

MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Anyone have a 7 mm or smaller spare 100K linear taper pot to sell. I would like to use it in the Altoids box for the NorCal/AMQRP keyer. Please respond off list.
Tnx,
Marv Fagenson
k6hcj@Juno.com

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

End of QRP-L Digest 3044

